Datasheet for ABIN101784

Rabbit anti-Mouse IgG (Heavy & Light Chain) Antibody (TRITC) - Preadsorbed

2 Images | 1 Publication

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Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	TRITC
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Mouse IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	4.38

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	Synonyms: Rabbit Anti-Mouse IgG Antibody rhodamine Conjugation, Rabbit Anti-Mouse IgG Antibody rhodamine Conjugated, Rabbit Anti-Mouse IgG TRITC Conjugated Antibody Background: Anti-Mouse IgG Rhodamine Antibody generated in rabbit detects reactivity to Mouse IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Application Details

Application Notes:	Application Note: This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. FLISA Dilution: 1:10,000 - 1:50,000 Flow Cytometry Dilution: 1:500 - 1:2,500 IF Microscopy Dilution: 1:1,000 - 1:5,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Sodium Azide

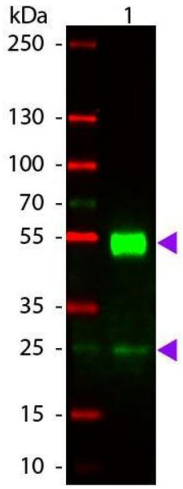
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Product is photosensitive and should be protected from light.
Storage:	RT,4 °C,-20 °C
Expiry Date:	12 months

Publications

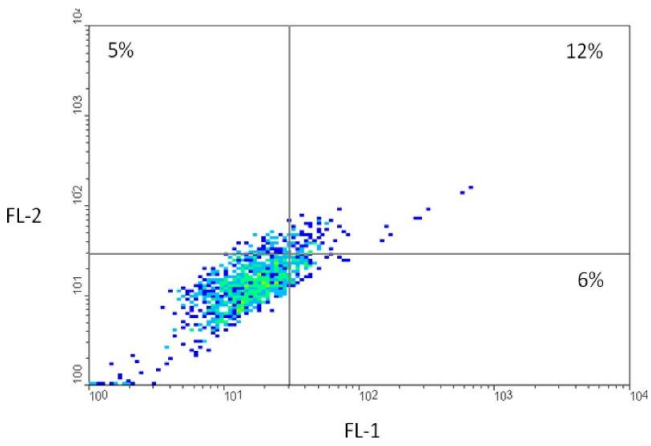
Product cited in:	Blair, Liu, Labitigan, Wu, Zheng, Xia, Pearson, Nazeer, Cao, Lang, Rines, Mackintosh, Moore, Li, Tian, Tackett, Yan: "KDM5 lysine demethylases are involved in maintenance of 3'UTR length." in: **Science advances**, Vol. 2, Issue 11, pp. e1501662, (2017) (PubMed).

Validation report #100071 for Immunofluorescence (IF)



Western Blotting

Image 1. Western blot of Rhodamine conjugated Rabbit Anti-Mouse IgG secondary antibody. Lane 1: Mouse IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Rhodamine rabbit secondary antibody at 1:1,000 for 60 min at RT. Blocking: ABIN925618 for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Mouse IgG. Other band(s): None.



Flow Cytometry

Image 2. Fluorescence-activated cell sorting analysis after co-icubation of HCT116 cells with FITC-labeled CaIX-P1 and rhodamine-labeled anti-human CAIX mAb. Low left box: unlabeled cells (autofluorescence). Low right box: cells labeled only with FITC-CaIX-P1. Upper left box: cells labeled only with rhodamine-anti-CAIX-mAb. Upper right box: Cells labeled with both FITC-CaIX-P1 and rhodamine-anti-CAIX-mAb. - figure provided by CiteAb.Source: PMID23202936